

**CLAIMS**

1. Screen panel for converting X-rays into light photons, whereby it comprises a rigid foam plate (2), a  
5 first layer (1) of composite material located on one face of the rigid foam plate (2) and a second layer (3) of composite material located on the other face of the rigid foam plate, parallel to the said first face.
- 10 2. Panel according to claim 1, whereby it comprises a framework (4) located on the circumference of the rigid foam plate (2).
- 15 3. Panel according to claim 2, whereby the framework (4) is made out of a matrix of glass or carbon fibres set in resin.
- 20 4. Panel according to any of claims 1 to 3, whereby the rigid foam is a high density foam and the composite material is made out of a matrix of glass or carbon fibres set in resin.
- 25 5. Screen for converting X-rays into light photons comprising a panel and an active layer for the conversion of X-rays into light photons located on one face of the panel, whereby the panel is a panel according to any of claims 1 to 4.

6. Conversion screen according to claim 5, whereby it comprises a frame (5) located around the face of the panel on which is located the active layer, so that the active layer is located within the interior of the frame  
5 (5).

7. Conversion screen according to claim 6, whereby it comprises a layer of tungsten located between the said face of the panel and the active layer.

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8. Radiological device comprising a screen for converting X-rays into light photons, whereby the conversion screen is a screen according to any of claims 5 to 7.

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